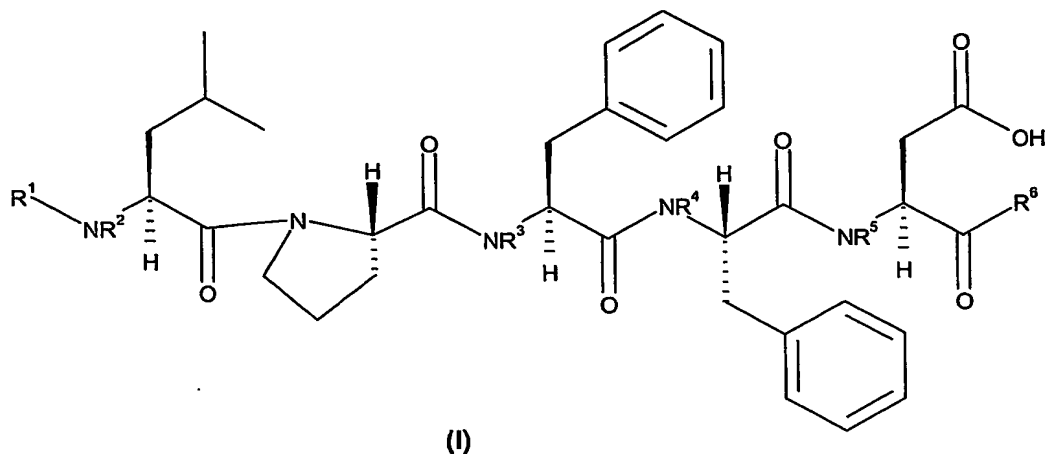


What is claimed:

1. A compound of the general Formula I:



wherein:

R^1 is selected from H and C_2-C_6 -acyl;

R^2 , R^3 , R^4 and R^5 are independently selected from H and C_1-C_6 -alkyl and at least one among R^2 , R^3 , R^4 and R^5 is C_1-C_6 -alkyl;

R^6 is selected from OH and NR^7R^8 wherein R^7 and R^8 are independently selected from H and C_1-C_6 -alkyl; and salts and tritiated derivatives thereof.

2. A compound according to claim 1, wherein R^1 is C_2-C_6 -acyl.

3. A compound according to claim 1, wherein R^1 is selected from formyl, acetyl, propionoyl and butyryl.

4. A compound according to claim 1, wherein R^1 is acetyl.

5. A compound according to claim 1, wherein the stereochemistry at all the α -carbon atoms is L;

6. A compound according to claims 1 to 5, wherein R^6 is NR^7R^8 wherein R^7 and R^8 are independently selected from H and C_1-C_6 -alkyl and the stereochemistry at all the α -carbon atoms is L.

7. A compound according to any one of the preceding claims, wherein R^6 is NH_2 .

5 8. A compound according to any one of the preceding claims wherein R^2 is H; R^4 and R^5 are independently selected from H and methyl.

9. A compound according to any one of the preceding claims, wherein R^3 is methyl.

10 10. A compound according to claim 9, wherein R^2 , R^4 and R^5 are H.

11. A compound of claim 9 wherein R^4 and R^5 are methyl; R^2 is H.

15 12. A compound of claim 9 wherein R^5 is methyl; R^2 and R^4 are H.

13. A compound of claim 9 wherein R^4 is methyl; R^2 and R^5 is H.

14. A compound according to any one of the preceding claims selected from the
20 following group:

Ac-Leu-Pro-N(Me)-Phe-Phe-Asp- NH_2

Ac-Leu-Pro-Phe-N(Me)-Phe-Asp- NH_2

25 Ac-Leu-Pro-Phe-N(Me)-Phe-N(Me)-Asp- NH_2

Ac-Leu-Pro-N(Me)-Phe-Phe-N(Me)-Asp- NH_2

30 Ac-Leu-Pro-N(Me)-Phe-N(Me)-Phe-Asp- NH_2

Ac-Leu-Pro-N(Me)-Phe-N(Me)-Phe-N(Me)-Asp- NH_2

Ac-Leu-[³H]Pro-N(Me)-Phe-Phe-Asp-NH₂

15. A compound according to any one of the preceding claims for use as a medicament.

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16. A pharmaceutical composition comprising a compound according to any one of claims 1 to 14, and a pharmaceutically acceptable excipient, diluent or carrier.

10 17. Use of a compound according to any one of claims 1 to 14 for the manufacture of a medicament for the treatment or prevention of a disease or condition selected from Alzheimer's disease, Dementia pugilistica (including head trauma), Hereditary Cerebral Haemorrhage with amyloidosis of the Dutch type (HCHWA-D) and vascular dementia with amyloid angiopathy.

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18. Use according to claim 17, wherein the disease is Alzheimer's disease.

19. Use of a compound according to any one of claims 1 to 14, for the preparation of a medicament for the treatment of a disease associated with abnormal protein folding into amyloid and amyloid-like deposits.